

ABSTRACT

This invention provides a baffle isolation system for isolating a baffle from a housing in a loudspeaker mounting system. The isolation system may include an isolation mechanism that insulates the baffle from the speaker housing. The isolation mechanism may include a bumper member coupled to a hollow shaft. In another embodiment, the bumper member may also include at least two resistant members located on either side of the bumper and coupled to the hollow shaft. These resistant members act to acoustically reduce sound penetration through the isolation system. Radial isolation may be achieved by the bumper acting to reduce the transmission of vibrations from the baffle to the housing, while longitudinal isolation may be achieved by the resistant members. Ideally, the bumper and the resistant members may be manufactured out of an elastomeric material and may be designed as separate members or as one unitary member.